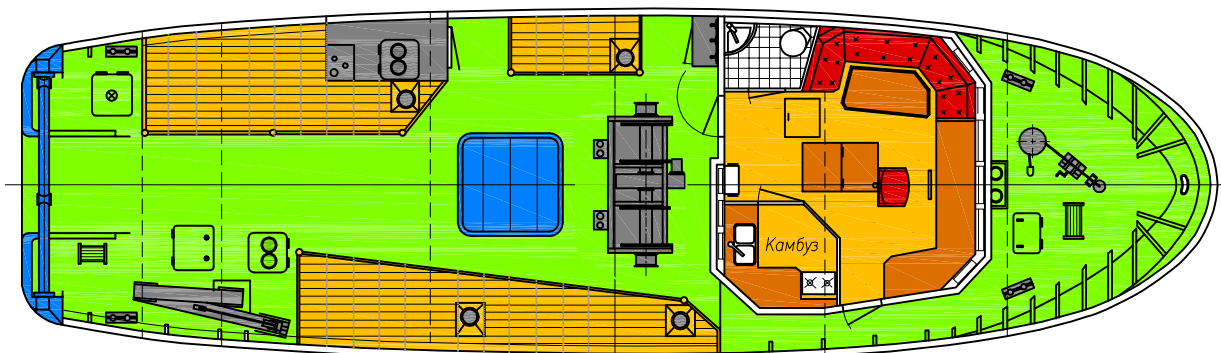
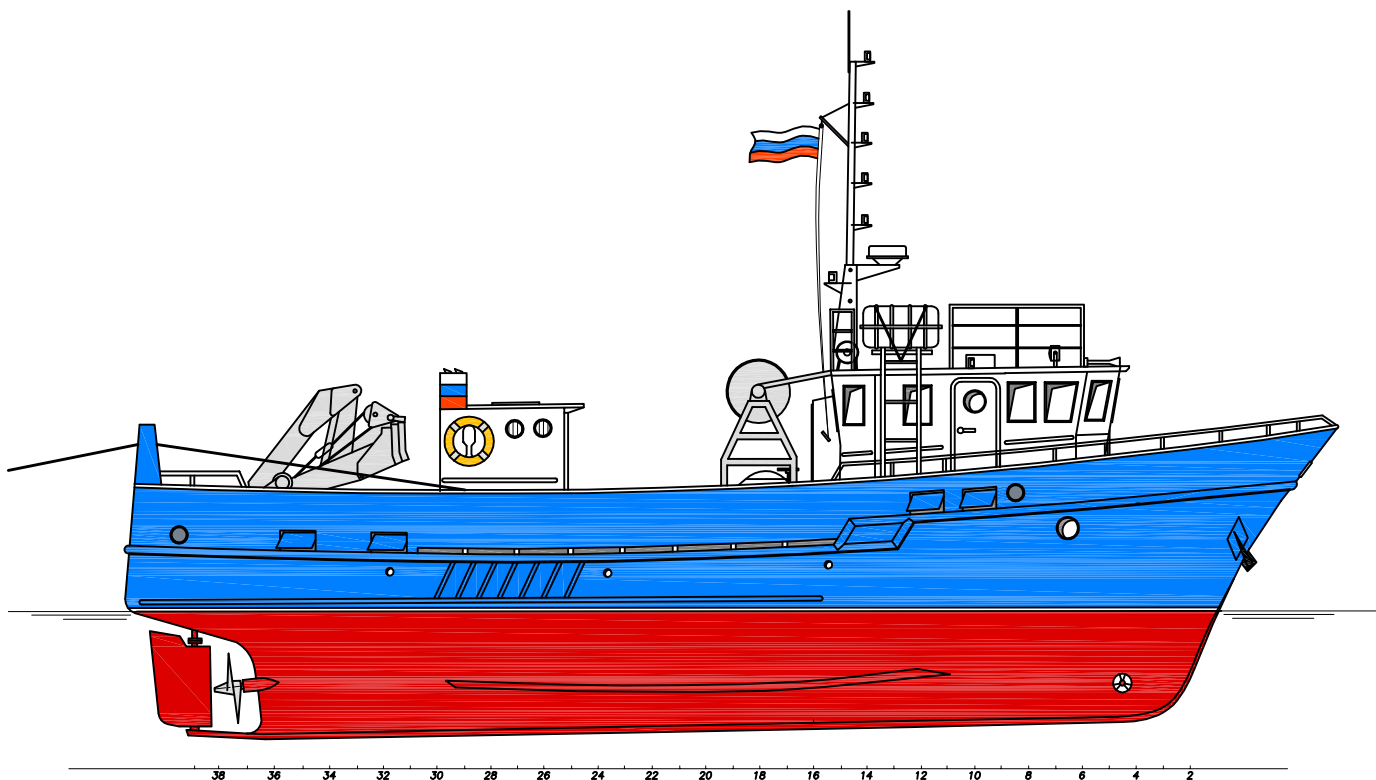


IRONSIDES 60



Dear Sirs,

Ironsides is preparing to start batch production of small fish trawlers with length of 18 m.

This project has benefited from more than 25 years of experience of our designers in fault detection and repairs of such trawlers in all Estonian dockyards and from their ship-building experience.

Real fishermen act as consultants and designers of fishing equipment: captains, trawlmasters and chief engineers. Construction of hulls will be performed by a company previously specializing in manufacturing precision metalwork for mechanical engineering using its highest production standards.

Architectural type of vessel is a time-tested one - stern trawler with a deckhouse located on the forecastle and a long fishing platform. This vessel is able to use both stern brailing method intended for harsh sea conditions and over-side brailing method.

The main feature of this project is its maximum efficiency as an autonomous catching vessel. It is well-known that trawler's quality is a derivative of her seagoing performance, engine output, hold's capacity, competently selected equipment and employed fishing arrangements. This project has everything of the above tuned to the maximum:

- Length of hull - 18.2 m
- Width - 5.4 m
- Midships depth - 2.6 m
- Loaded draft - 2.0 m
- Draught - 76 t
- Engine - 150 to 350 hp

Isolated hold capacity is 50 m³, its height allows a person to straighten up. Refrigerating equipment may be installed as an option upon customer's request.

Dandy winch with the moving power of no less than 1500 kg(f) on the mean turn. Trawling bobbin with the moving power of 1500 kg(f).

Separate diesel hydro pump for servicing the fishing equipment allows removing the trawl without decreasing trawling speed.

Berths - 4

Fuel autonomy - up to 5 days

Speed - 10 knots.

Hydraulic cranes with 1250 kg capacity and arm outstretch of 7.9 m and with 2380 kg capacity and arm outstretch of 4.3 m. There is a 250 liter freshwater tank and symmetrical sewage tank of the same capacity.

Device range for the engine room is selected to suit particular fishing technology upon customer's request.

Fishing equipment is custom fit. For instance, it is possible to change a hydraulic crane for a classic portal crane with two new arms etc.

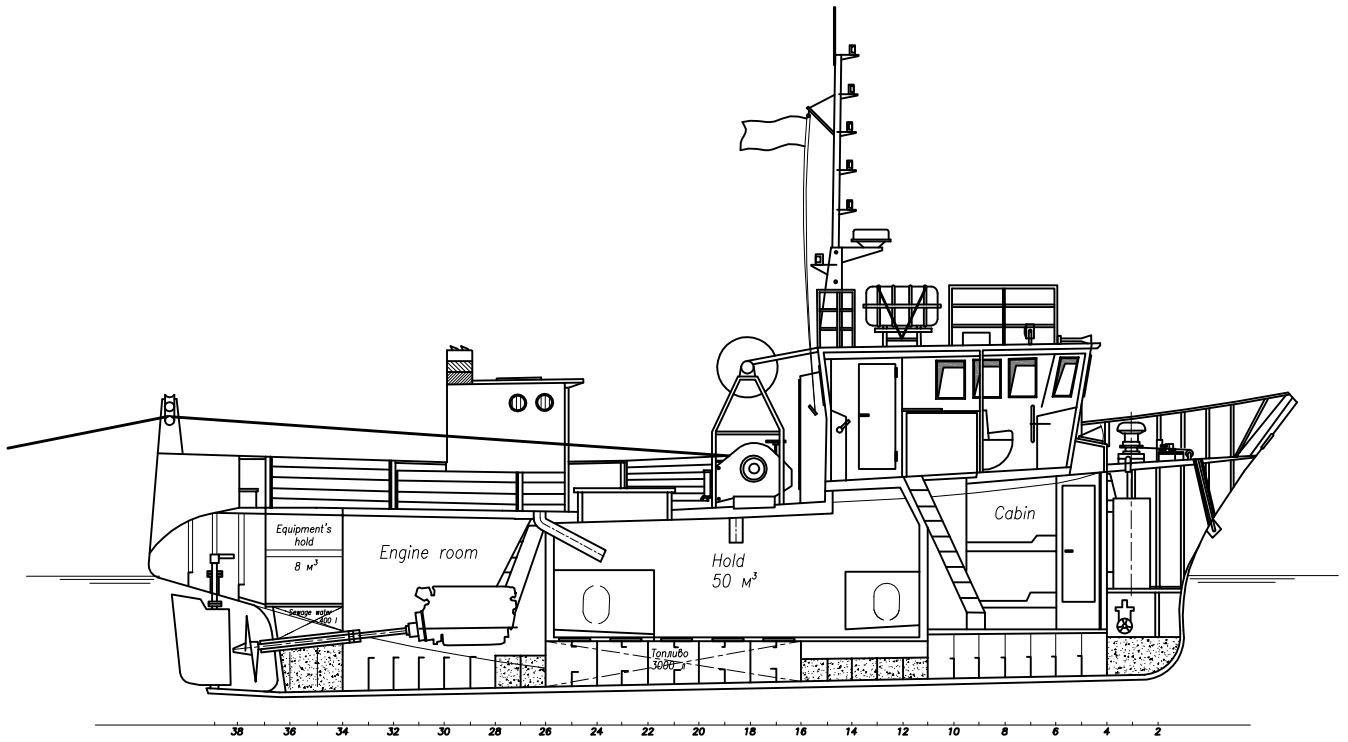
Vessel's hull is available in two modifications: ice class or tropical hull. At its boot-topping the ice class hull shall be 1-2 mm thicker than required by the Construction Rules. It is made specifically to address the problem of early gophing and subsequent quick linear wear resulting from galling on transverse ribs. Similarly bilge plating thickness will also be increased in the area of dry ballast and fuel tanks storage.

Where there are plans to use the vessel solely for trawling purposes a propeller screw steering nozzle shall be installed instead of a rudder.

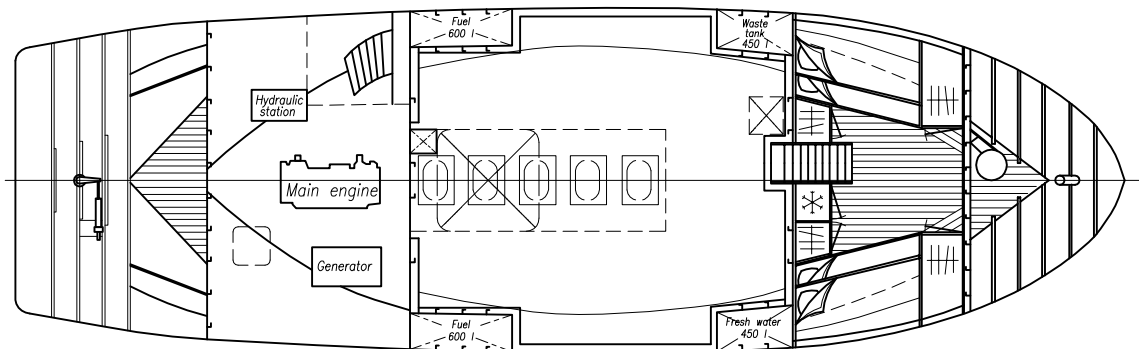
All advantages of the offered project can be seen on the attached drawings.

This vessel project may be refitted as a diving vessel, research vessel and 'trawler-style' motor yacht.

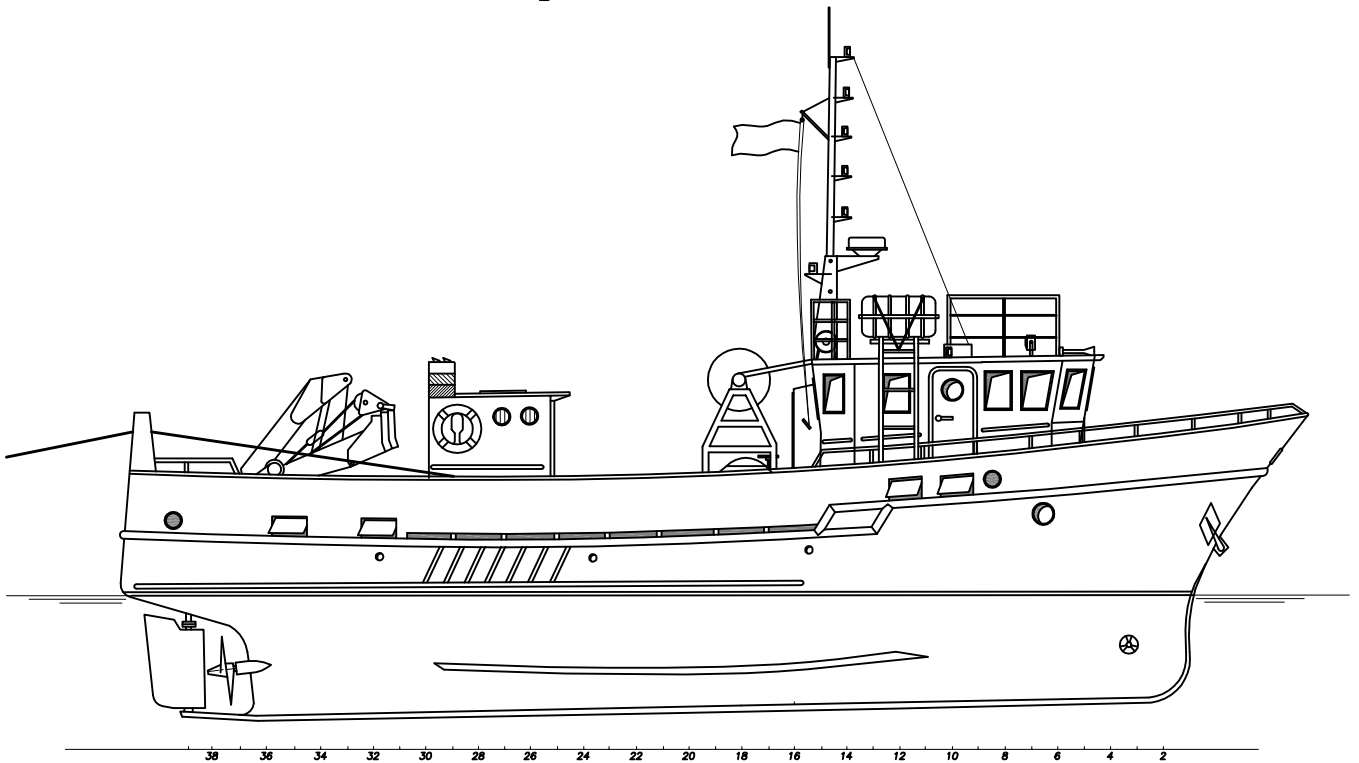
Main section (tropical hull)



General arrangement



Tropical hull



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